

TECHNICAL SHEET
INDUSTRIAL POLYASPARTIC
PE700234**DESCRIPTION**

Packaging: 1/1 – 2 Gallon – 80% Solids – PE700234

Passeport Élite Industrial Polyaspartic is a two-component 80% solid polyaspartic coating system designed to restore and protect floors such as concrete, wood, metal etc. It has excellent, UV stability, physical and chemical resistance as well as aesthetic appearance.

APPLICATION

- Marine protection for steel, fiberglass, concrete, wood etc.
- Aircraft hangar floors
- Maintenance facilities
- Industrial floors
- Car washes
- Bridges

ADVANTAGES

- Low odour
- UV stable
- Good chemical resistance
- Good chemical and physical resistance
- Easy to clean, bacteria and moisture resistant surface

PACKAGING

Passeport Élite Industrial Polyaspartic is packaged in factory proportioned packaging for easy usage.

Resin (A): 1US Gal, 1US Drum and 1 Totes

Hardening (B): 1 US Gal, 1 US Drum and 1 Tote

STORAGE

All components should be stored in dry, temperature-controlled areas between 12-28°C. Do not expose to freezing or excessive high heat.

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TECHNICAL DATA @ 25°C

% Solids by Weight	80%
TFST (8 Mills @25° c/50% rh)	25-35 Minutes
Suggested # of coats	2
Foot traffic	24 Hours
Full cure	7 Days
Abrasion Resistance ASTM D4060	0.10 g
Tensile Strength ASTM D638	7000 -8000 PSI
Compressive Strength ASTM D695	9000-10000 psi
Water Absorption ASTM D570	0.2%
Voc content	20 g/L
Mixing Ratio by Volume	1:1
Recoat time (min/max)	4 Hours / 8 Hours
Foot traffic	12-24 Hours
Light traffic	48 Hours
Bond Resistance ASTM D4541	500-600 psi
Hardness (Shore D) ASTM D2240	70-75
Elongation D638	100%

PRIOR TO USE APPLICATOR MUST ALWAYS READ AND FOLLOW WARNINGS AND INSTRUCTIONS ON SCI COATINGS INC MOST UP TO DATE PRODUCT TECHNICAL DATA SHEETS, PRODUCT LABELS AND MATERIAL SAFETY DATA SHEETS WHICH ARE AVAILABLE UPON REQUEST BY CALLING TECHNICAL SUPPORT DEPARTMENT.

SURFACE PREPARATION

Surface must be clean, sound and dry. Prior to coating a floor all trowel marks and surface imperfections must be removed to produce a smooth & uniform surface. Proper surface preparation is critical to ensure an adequate chemical bond to substrate. Substrate must be dry and free of all wax, grease, oils, fats, soil, contaminants, loose or foreign matter and laitance. Concrete should be cleaned and prepared using a shot blast machine or adequate grinding equipment to achieve a CSP-3 to CSP-4 profile as per ICRI guidelines. Compressive strength of concrete should be at least 3,500 psi (24 Mpa) @ 28 days and at least 215 psi (1.5 Mpa) in tension at time of product application. equipment to achieve a CSP-3 to CSP-4 profile as per ICRI guidelines. Compressive strength of concrete should be at least 3,500 psi (24 Mpa) @ 28 days and at least 215 psi (1.5 Mpa) in tension at time of product application.

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Passeport Élite Industrial Polyaspartic must be conditioned at temperatures between 18°C/64.4°F and 30°C/86°F. It is packaged in factory proportioned quantities for easy handling and mixing.

Measure one part of resin and one part of hardener. Mix for 3 minutes. Make sure to scrape walls and bottom of container with straight edged trowel at least once to ensure homogeneous mix.

DO NOT MIX MORE MATERIAL THAN CAN BE APPLIED WITHIN WORKING TIME LIMITS.

POT LIFE

After mixing, **Passeport Élite Industrial Polyaspartic** has a pot life of approximately 80-90 minutes at 25°C for 100g mass. Pot life depends on mass and ambient temperature.

APPLICATION

Passeport Élite Industrial Polyaspartic should be applied at ambient and surface temperatures between 15-28°C and humidity below 80%. **Passeport Élite Industrial Polyaspartic** must be applied with a rubber squeegee and back rolled to remove squeegee lines and smooth out coating. Additional coats may be applied when surface is tack-free (roughly 8 hours). Do not exceed recoat-time limit for post-application. Otherwise, the entire surface must be lightly sanded to achieve desired profile for a proper mechanical bond. Clean up all dust and debris created by aforementioned sanding prior to applying subsequent coat.

CURING

Passeport Élite Industrial Polyaspartic is tack-free in approximately 5 hours at 25°C. Coated area may be put back into service after 24 hours. Curing is complete and full product characteristics are achieved after 7 days. Curing times dependent upon ambient temperature, relative humidity and surface conditions.

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Prior to application, measure and confirm Substrate Moisture Content, Ambient and Surface temperatures and Dew Point.

Substrate Moisture: Moisture within substrate must be $\leq 4\%$ by mass as measured by Tramex® type concrete moisture meter on mechanically prepared surface.

Dew Point: AVOID CONDENSATION. The substrate must be at least 3°C above Dew Point to reduce risk of condensation. Condensation may lead to failure in adhesion. Avoid situations where substrate temperature is considerably lower than ambient temperature.

Do not add thinners or solvents to mix. Do not add water. Dispose of waste materials in accordance with government regulations. The use of safety glasses and protective gloves is required. In case of contact, flush areas with abundance of water for 20 minutes and seek medical assistance. Wash skin with soap and water. Use only in well ventilated areas.

LIMITATION OF WARRANTY

The manufacturer's liability, expressed or implied, is limited to the replacement of the product. The user assumes full responsibility for use in accordance with the product data sheet. The manufacturer is not liable for any direct, indirect, consequential, economic or other damages.